

Claims:

1. A telecommunications network device, comprising:
a chassis; and
a power distribution unit removably mounted within the chassis, including:
a plurality of external connectors capable of being connected to a plurality of external unregulated DC power feeds.
2. The telecommunications network device of claim 1, wherein the power distribution unit further comprises:
a plurality of filter circuits, wherein each filter circuit is connected to at least one of the plurality of external connectors.
3. The telecommunications network device of claim 2, wherein the power distribution unit further comprises:
a plurality of circuit breakers, wherein each circuit breaker is connected to at least one of the plurality of filter circuits.
4. The telecommunications network device of claim 2, wherein the power distribution unit further comprises:
a plurality of switches, wherein each switch is connected to at least one of the plurality of filter circuits.
5. The telecommunications network device of claim 3, wherein the power distribution unit further comprises:
an on/off switch connected to each of the plurality of circuit breakers.
6. The telecommunications network device of claim 5, wherein the on/off switch is connected in series with each of the circuit breakers.
7. The telecommunications network device of claim 5, wherein each of the plurality of circuit breakers comprises a magnetic/hydraulic circuit breaker device.

8. The telecommunications network device of claim 1, further comprising:
a plurality of bus bars mounted within the chassis and capable of being coupled with the power distribution unit.
9. The telecommunications network device of claim 1, wherein the power distribution unit is a first power distribution unit and wherein the network device further comprises:
a second power distribution unit removably mounted within the chassis, including:
a second plurality of connectors capable of being connected to a second plurality of external unregulated DC power feeds.
10. A telecommunications network device, comprising:
a chassis;
a power distribution unit removably mounted within the chassis, including:
a plurality of external connectors capable of being connected to a plurality of external unregulated DC power feeds;
a plurality of filter circuits, wherein each filter circuit is connected to at least one of the plurality of external connectors;
a plurality of switches, wherein each switch is connected to at least one of the plurality of filter circuits;
a plurality of bus bar connectors, wherein at least one bus bar connector is connected to each of the plurality of switches; and
a plurality of bus bars mounted within the chassis and capable of being connected to the plurality of bus bar connectors.
11. The telecommunications network device of claim 10, wherein the plurality of switches comprises a plurality of circuit breakers.
12. The telecommunications network device of claim 10, wherein the power distribution unit further comprises:

an on/off switch connected to each of the plurality of switches.

13. The telecommunications network device of claim 10, wherein the power distribution unit is a first power distribution unit and the plurality of bus bars is a first plurality of bus bars and wherein the network device further comprises:

a second power distribution unit removably mounted within the chassis, including:

a second plurality of external connectors capable of being connected to a second plurality of external unregulated DC power feeds;

a second plurality of filter circuits, wherein each filter circuit is connected to at least one of the second plurality of external connectors;

a second plurality of switches, wherein each switch is connected to at least one of the second plurality filter circuits;

a second plurality of bus bar connectors, wherein at least one bus bar connector is connected to each of the second plurality of switches; and

a second plurality of bus bars mounted within the chassis and capable of being connected to the second plurality of bus bar connectors.

14. The telecommunications network device of claim 13, wherein the second plurality of switches comprises a second plurality of circuit breakers.

15. The telecommunications network device of claim 13, wherein the second power distribution unit further comprises:

an on/off switch connected to each of the second plurality of switches.

16. A telecommunications network device, comprising:

a chassis;

a power distribution unit removably mounted within the chassis, including:

a plurality of external connectors for connecting to a plurality of external unregulated DC power feeds; and

a plurality of bus bars mounted within the chassis and connectable with the power distribution unit.

17. The telecommunications network device of claim 16, wherein the power distribution unit is a first power distribution unit and the plurality of bus bars is a first plurality of bus bars and wherein the network device further comprises:
a second power distribution unit removably mounted within the chassis, including:
a second plurality of external connectors for connecting to a second plurality of external unregulated DC power feeds; and
a second plurality of bus bars mounted within the chassis and connectable with the second power distribution unit.

18. A telecommunications network device, comprising:
a chassis; and
two power distribution units removably mounted within the chassis, wherein each of the power distribution units comprises:
a plurality of external connectors for connecting to a plurality of external unregulated DC power feeds.

19. A telecommunications network device, comprising:
a chassis;
a power distribution unit removably mounted within the chassis, including:
a plurality of external connectors capable of being connected to a plurality of external unregulated DC power feeds; and
a plurality of filter circuits, wherein each filter circuit is connected to at least one of the plurality of external connectors.

20. The telecommunications network device of claim 19, wherein the power distribution unit is a first power distribution unit and wherein the network device further comprises:
a second power distribution unit removably mounted within the chassis, including:
a second plurality of external connectors capable of being connected to a second plurality of external unregulated DC power feeds; and

a second plurality of filter circuits, wherein each filter circuit is connected to at least one of the second plurality of external connectors.

21. A telecommunications network device, comprising:

a power distribution unit, including:

a plurality of external connectors capable of being connected to a plurality of external unregulated DC power feeds;

a plurality of circuit breakers, wherein each circuit breaker is coupled with at least one of the plurality of external connectors; and

an on/off switch connected to each of the plurality of circuit breakers.

22. The telecommunications network device of claim 21, further comprising:

a chassis, wherein the power distribution unit is removably mounted within the chassis.

23. The telecommunications network device of claim 21, wherein the power distribution unit further includes:

a plurality of filter circuits, wherein each filter circuit is connected to at least one of the plurality of external connectors and to one of the plurality of circuit breakers.

24. The telecommunications network device of claim 21, wherein the power distribution unit is a first power distribution unit and further comprising:

a second power distribution unit, including:

a second plurality of external connectors capable of being connected to a second plurality of external unregulated DC power feeds;

a second plurality of circuit breakers, wherein each circuit breaker is coupled with at least one of the second plurality of external connectors; and

a second on/off switch connected to each of the second plurality of circuit breakers.

25. A telecommunications network device, comprising:

a power distribution unit, including:

a plurality of external connectors capable of being connected to a plurality of external unregulated DC power feeds;

a plurality of switches, wherein each switch is coupled with at least one of the plurality of external connectors; and

an on/off switch connected to each of the plurality of switches.

26. The telecommunications network device of claim 25, further comprising:

a chassis, wherein the power distribution unit is removably mounted within the chassis.

27. The telecommunications network device of claim 25, wherein the power distribution unit further includes:

a plurality of filter circuits, wherein each filter circuit is connected to at least one of the plurality of external connectors and to one of the plurality of switches.

28. The telecommunications network device of claim 25, wherein the power distribution unit is a first power distribution unit and further comprising:

a second power distribution unit, including:

a second plurality of external connectors capable of being connected to a second plurality of external unregulated DC power feeds;

a second plurality of switches, wherein each switch is coupled with at least one of the second plurality of external connectors; and

a second on/off switch connected to each of the second plurality of switches.